Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/11/2022 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125999	0	1.31	125930	1.32
Blue	F	SSC	125000	125244	0	2.46	125785	2.36
Blue	E	FITC	13602	13316	-3	2.13	372	13.07
Blue	D	PE	24891	24669	-1	1.56	586	10.10
Blue	B	PerCP-Cy5-5	33972	33354	-2	2.85	952	14.45
Blue	A	PE-Cy7	22865	22717	-1	4.81	478	29.65
Red	C	APC	47198	47058	-1	2.53	1625	11.28
Red	A	APC-Cy7	26454	25833	-3	2.90	728	12.27
Violet	B	V450	6737	6522	-4	3.40	452	11.23
Violet	A	V500	29317	28346	-4	2.94	966	8.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24390	2.46	531	-4	N/A	N/A	Pass
Blue	F	SSC	56424	1.91	516	-5	N/A	N/A	Pass
Blue	E	FITC	57	51.89	483	-1	0.0462	86	Pass
Blue	D	PE	115	36.61	486	0	0.4259	277	Pass
Blue	B	PerCP-Cy5-5	151	40.56	578	-1	0.0213	91	Pass
Blue	A	PE-Cy7	79	79.42	621	0	0.0237	8	Pass
Red	C	APC	341	25.67	572	0	0.0294	216	Pass
Red	A	APC-Cy7	136	35.42	550	-1	0.0065	1582	Pass
Violet	B	V450	77	47.97	442	-8	0.0673	3007	Pass
Violet	A	V500	114	31.13	461	-8	0.0279	1066	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.08	-31.70	1.14
Blue	20.34	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.37	13.90 - 20.86	N/A	N/A	30.00	30.35	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12266

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments